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| <p>1999-367565/31 A14 D22 F04 (A96) NISY 1997.11.07<br/> NIPPON SYNTHETIC CHEM IND CO *JP 11140765-A<br/> 1997.11.07 1997-322316(+1997JP-322316) (1999.05.25) D04H<br/> 3/10, A61L 15/00, B32B 5/02, 5/26, D06M 15/295, B32B 27/02,<br/> D04H 1/42, 1/46<br/> <b>Water soluble laminated nonwoven fabric for medical applications - has lamination of water soluble nonwoven fabrics</b><br/> <b>C1999-108832</b></p>   | <p>A(10-E9B2, 12-S5R, 12-V3) D(9-C) F(2-C1, 3-C2A, 4-E4)</p> <p>The water soluble nonwoven fabric is processed with a fluorine group water repellent. Preferred Disinfection Method: The used nonwoven fabric is disinfected by heating in hot water maintained at 100°C or more.</p>  |
| <p>NOVELTY - Fabric consists of lamination of two or more water soluble non-woven fabrics.</p> <p><u>USE</u><br/> For medical applications (claimed).</p> <p><u>ADVANTAGE</u><br/> The laminated non-woven fabric is soft and allows easy sterilization and disposal after use since it has high hot water solubility.</p> <p><u>POLYMERS</u><br/> Preferred Fabric: The water soluble nonwoven fabric is polyvinyl alcohol(PVA) group nonwoven fabric. Preferred Method:</p> | <p><u>EXAMPLE</u><br/> A fiber forming stock solution containing 15 wt.% of PVA (having average degree of polymerization of 1800) was prepared. The solution was spun into fibers. The fiber was treated with another fiber forming solution containing aqueous solution of PVA pellets (having degree of polymerization 2000). The fiber formed a laminated nonwoven fabric. The fabric was immersed in fluorine group resin emulsion and made water-repellent. The nonwoven fabric was dehydrated and dried. The fabric weight was 70 g/m<sup>2</sup>. The nonwoven fabric was soluble in hot water at 90°C. (5pp3175DwgNo.0/0)</p> <p>JP 11140765-A</p> |